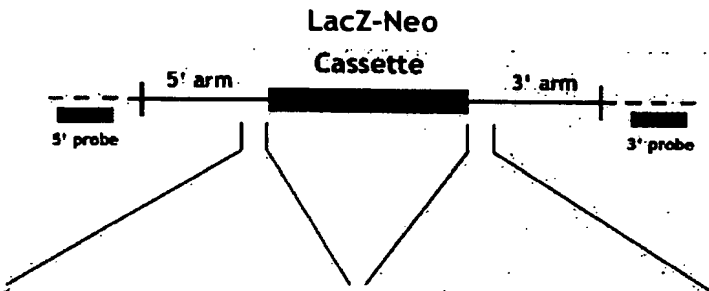


Figure 1

Targeting Vector\*  
(genomic sequence)



———— Targeting Vector  
- - - - - Endogenous Locus

\* Not drawn to scale

5' >TTGAGGGAGAACCTCTCACTG GCCTGGGTGACCAGCGAGTACATG AGTTCTAGGGACTGAACTTGGGTC ATCACTCTTAGGTAGGAAGCACAT TACTCCCTGAGCCAACCTCTCCAGC TCAACTTCTGTGTTTTGCAGGTGG TTTTTCAGCAAGTACTGCAACTCCA GTGACATCATGGACCTGTTCTGTA TCGCCACCGGC<3' (SEQ ID NO:1)	5' >CAGACGACGCCATGGTCTCCA TCGATCCCACCATGCCTGCGAATT CAGAGCGGTAAGCGACTCCTCCTG GGGTGTCTCACTTGTCTATGATGT GTGCCAGGGAGTCTGCAATTTGGC TTTGTTTACTACTGCTAAGACGTG TGAAGTTTCAGCAGAAGAGGGAAG GAGGCAGATGGGAGGCAGGCGGAG GCTTGGTTCAC<3' (SEQ ID NO:2)
---	---

## Figure 2

AAAAAAAAAA (SEQ ID NO: 3)

Figure 3

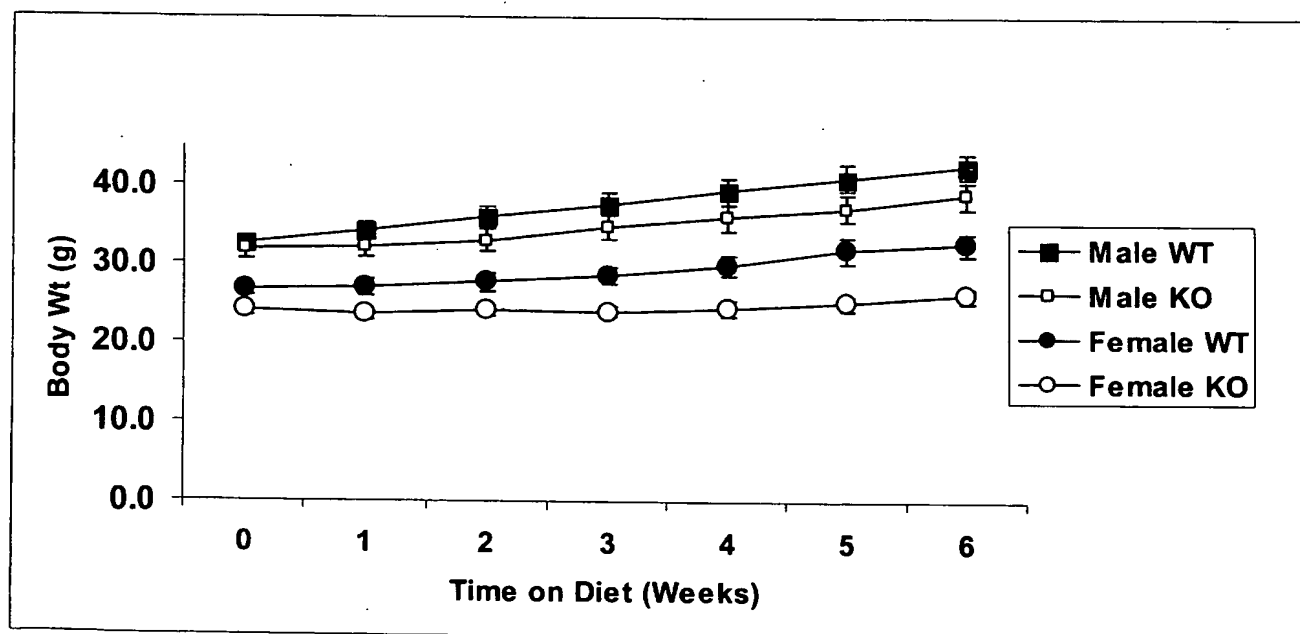
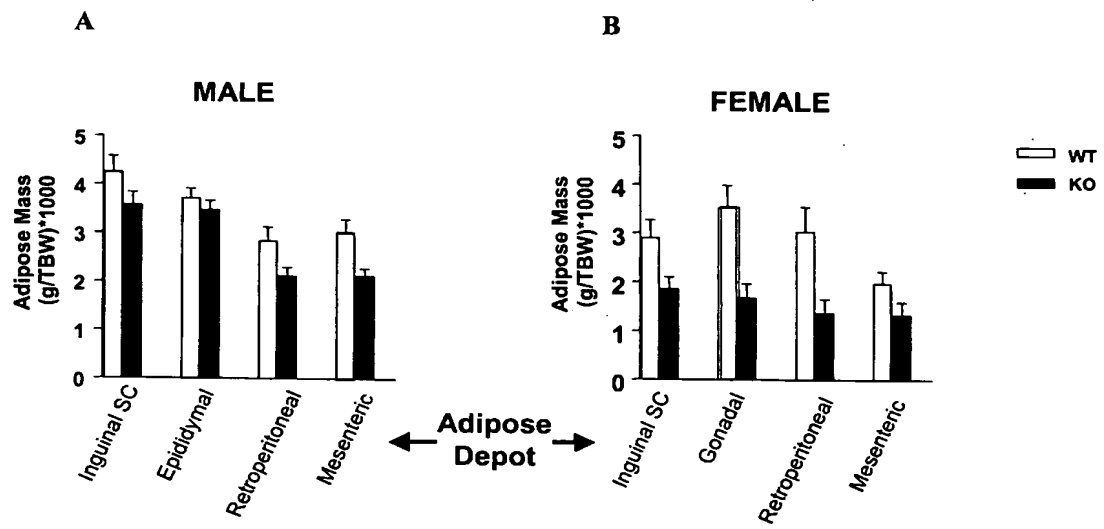
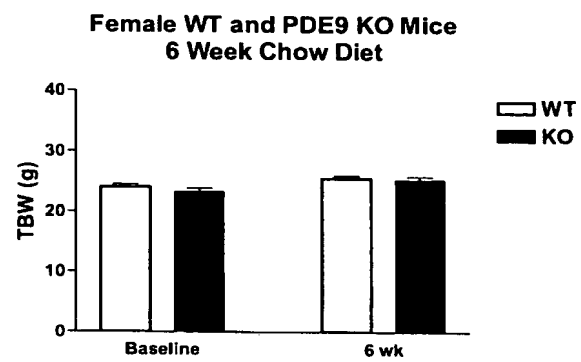


Figure 4

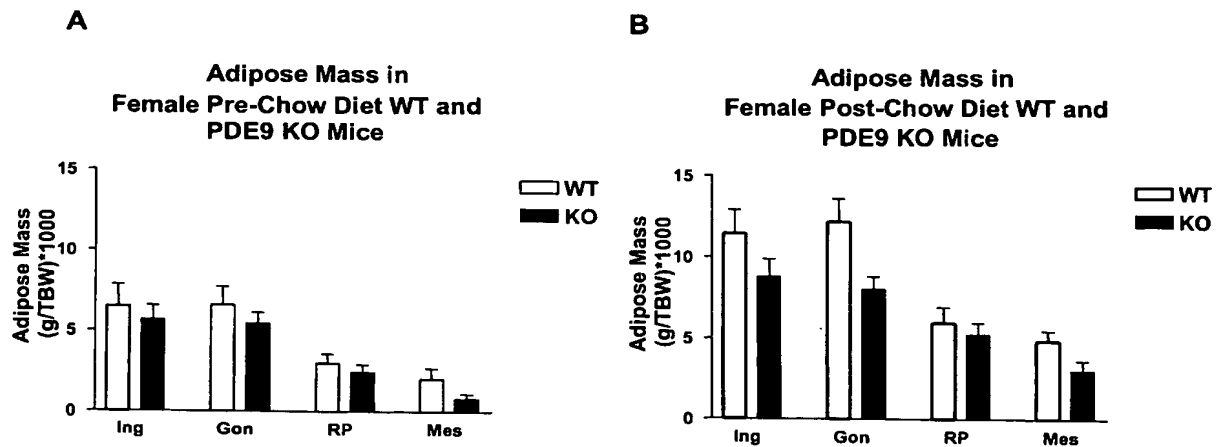


**Figure 5**



**Figure 6**

**Effect of PDE9 KO on Female Adipose Depot Mass  
Prior to and After a 6 Week Chow Diet**



(Ing: Inguinal Subcutaneous, Gon: Gonadal, RP: Retroperitoneal and Mes: Mesenteric)

**Figure 7**  
**Body Weight Gain in Female ob/ob Mice with**  
**Compound A In-Feed**

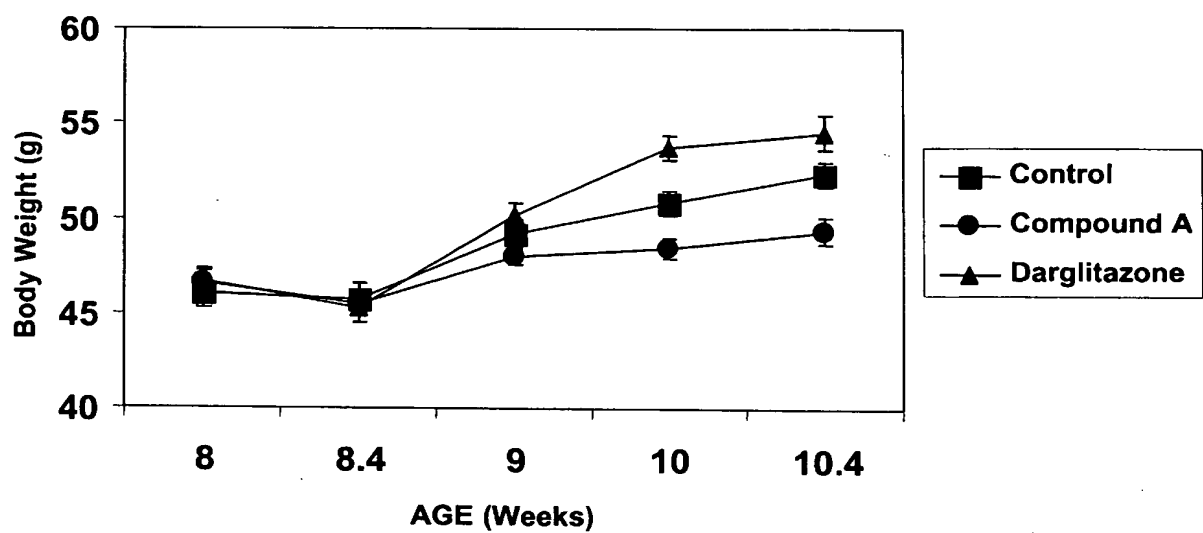
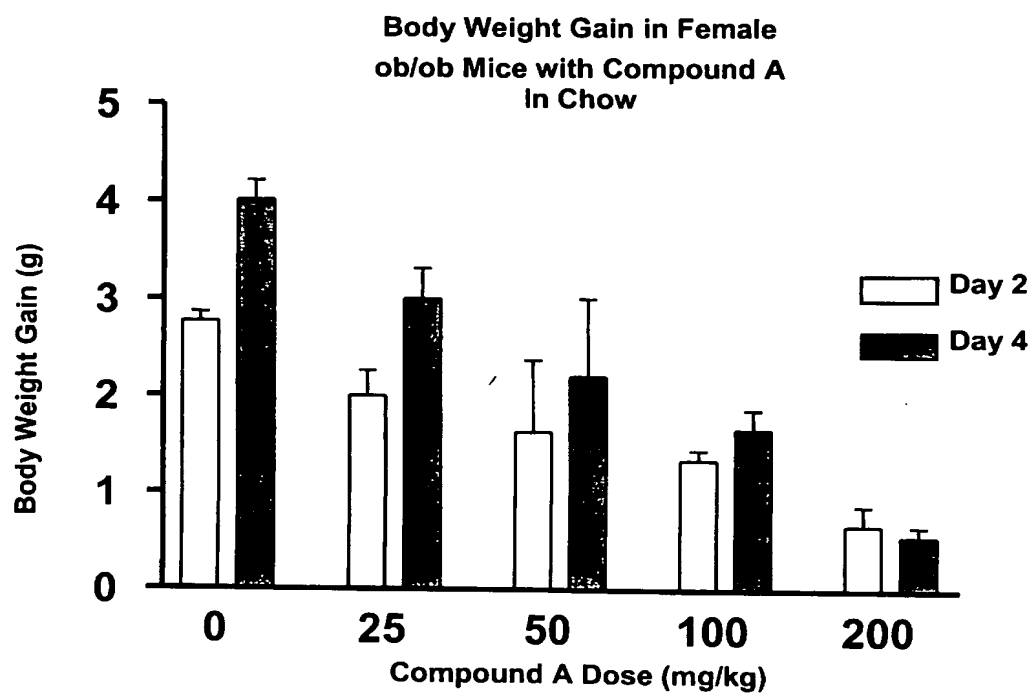


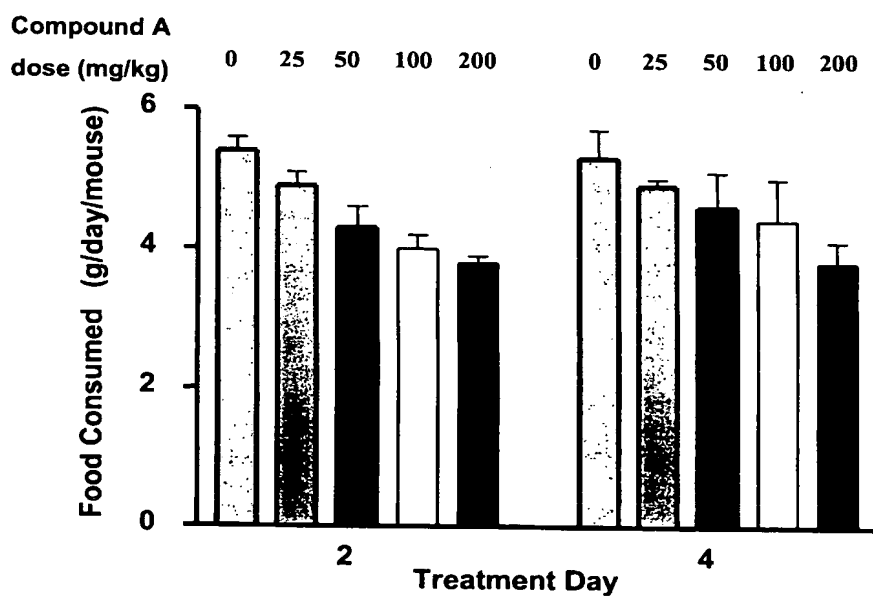
Figure 8A





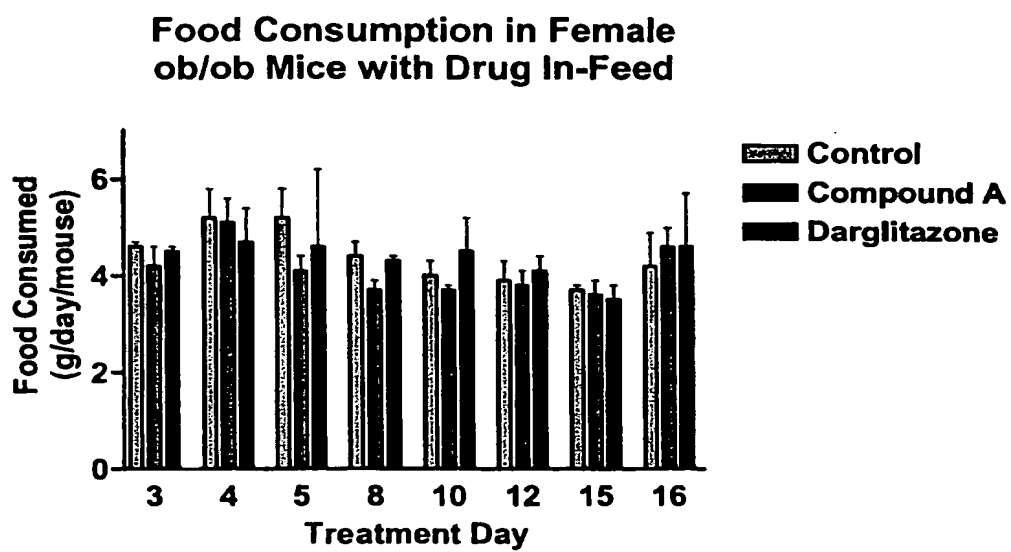
**Figure 8B**

**Food Consumption in Female  
ob/ob Mice with Drug In-Feed**



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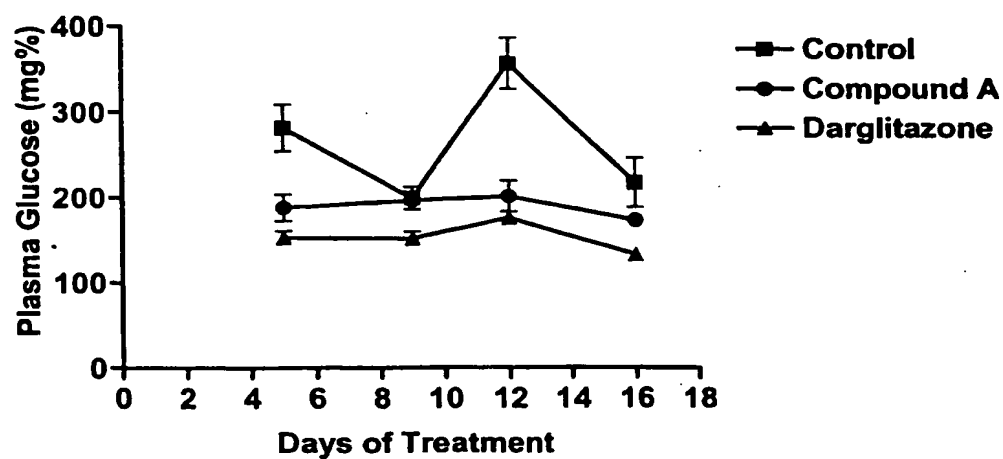
**Figure 9**



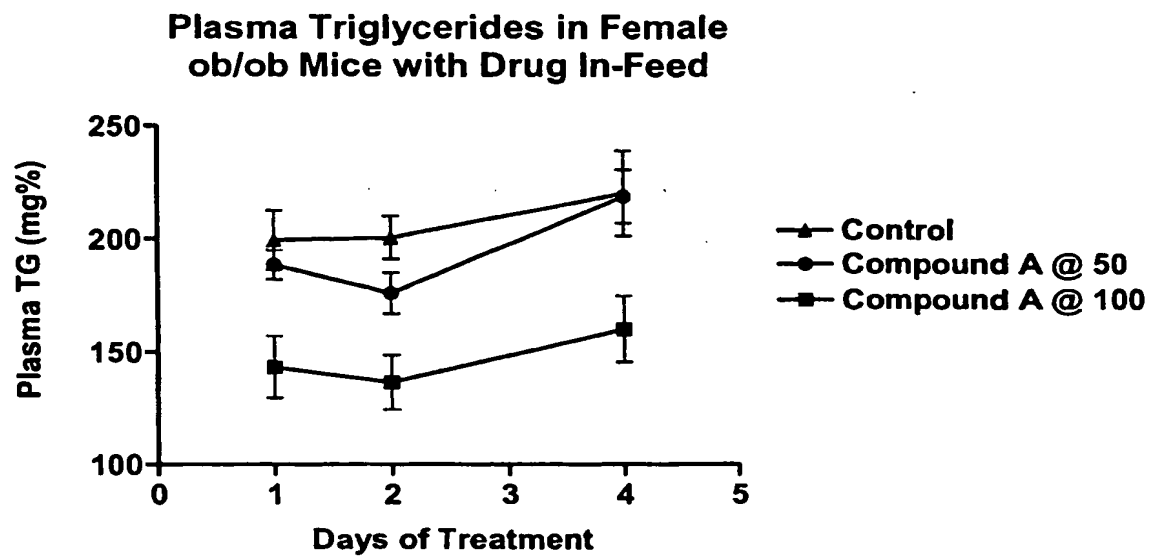
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**Figure 10**

**Plasma Glucose in Female  
ob/ob Mice with Drug In-Feed**

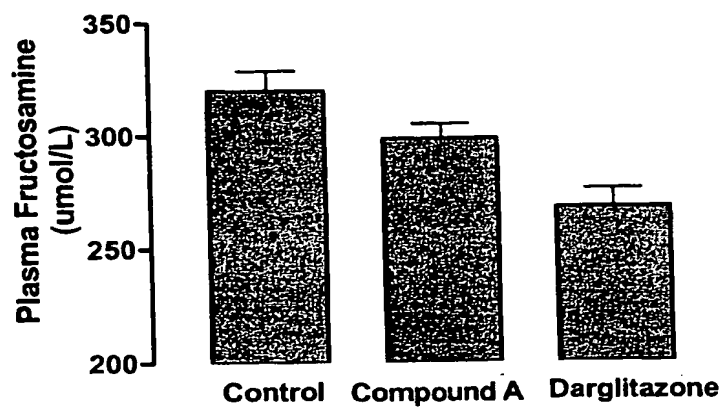


**Figure 11**



**Figure 12**

**Plasma Fructosamine in  
Female ob/ob Mice with Drug  
In-Feed: Day 16**



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